






MassGIS Protected & Recreation OpenSpace Schema

Phase 1. (2005) Moving OpenSpace from Librarian coverage tiles to SDE GeoDatabase. Chapter 61 land has been explicitly separated from OpenSpace, but participates in the new "rules-based" topology. The new schema also utilizes domains for attribute validation.

Phase 2. (early 2008) Chapter 61 land has been completely separated from OpenSpace and no longer participates in the OpenSpace feature dataset topology. The Chapter61 lands polygon data layer is available upon request only

Geodatabase Summary

 Feature Dataset OpenSpace	Feature Dataset containing the features classes and topology for OpenSpace.
 Polygon feature class OPENSOURCE_POLY	Polygons representing land considered to be protected or recreation OpenSpace.
 Line feature class OS_ARC	Arcs representing the boundary of all OpenSpace polygons.
 Topology Feature OPENSOURCE_Topology	Topology applied to above Feature Classes.
 Table OSNAMES	List of abbreviations used in OpenSpace.

Geodatabase:

\\sun420.env.state.ma.us\GISDATA.sde

Date generated (Phase 1) :
Tuesday, March 15, 2005

Date modified (Phase 2) :
Tuesday, January 29, 2008

Versions:

SDE.DEFAULT
SCOSTELLO.OS_DBA
<EDITOR1>.OS_EDITOR
<EDITOR2>.OS_EDITOR
Etc...

Topology Feature OPENSOURCE_Topology		
Feature Class	Rule	Feature Class
OPENSOURCE_POLY	Must Not Overlap	
OPENSOURCE_POLY	Boundary Must Be Covered By	OPENSOURCE_ARC
OPENSOURCE_ARC	Must Be Covered By Boundary of	OPENSOURCE_POLY
OPENSOURCE_ARC	Must Not Overlap	
OPENSOURCE_ARC	Must Not Self-Overlap	
OPENSOURCE_ARC	Must Be Single Part	
OPENSOURCE_ARC	Must Not Have Dangles	
OPENSOURCE_ARC	Must Not Intersect	

Rules implemented by feature dataset topology.

Geodatabase Detail

Simple feature class OPENSOURCE_POLY_all					Geometry Polygon Contains M values: No Contains Z values: No		
Field name	Data type	Allow nulls	Default value	Domain	Precision	Scale	Length
OBJECTID	Object ID						
TOWN_ID	Short Integer	No		Town_ID1	0		
POLY_ID	Short Integer	No					
SITE_NAME	String	Yes				120	
FEE_OWNER	String	Yes				100	
OWNER_ABRV	String	Yes				20	
OWNER_TYPE	String	No		OS_Type		1	
MANAGER	String	Yes				20	
MANAGER_ABRV	String	Yes				20	
MANAGER_TYPE	String	Yes		OS_Type		1	
PRIM_PURP	String	No		OS_Primary_Purpose		1	
PUB_ACCESS	String	No		OS_Public_Access		1	
LEV_PROT	String	No		OS_Level_Protection		1	
OLL1_ORG	String	Yes				100	
OLL1_ABRV	String	Yes				20	
OLL1_TYPE	String	Yes		OS_Type		1	
OLL1_INT	String	Yes		OS_Interest_Type		1	
OLL2_ORG	String	Yes				100	
OLL2_ABRV	String	Yes				20	
OLL2_TYPE	String	Yes		OS_Type		1	
OLL2_INT	String	Yes		OS_Interest_Type		1	
OLL3_ORG	String	Yes				100	
OLL3_ABRV	String	Yes				20	
OLL3_TYPE	String	Yes		OS_Type		1	
OLL3_INT	String	Yes		OS_Interest_Type		1	
GRANTPROG1	String	Yes		OS_Projects		20	
GRANTTYPE1	String	Yes		OS_Type		1	
GRANTPROG2	String	Yes		OS_Projects		20	
GRANTTYPE2	String	Yes		OS_Type		1	
PROJ_ID1	String	Yes				20	
PROJ_ID2	String	Yes				20	
PROJ_ID3	String	Yes				20	
EOEAINVOLVE	Short Integer	Yes		OS_EOEInv	0		
ARTICLE57	Short Integer	Yes		OS_Art57	0		
FY_FUNDING	Short Integer	Yes		FiscalYear	0		
BOND_ACCT	String	Yes				20	
GIS_ACRES	Double	No			0	0	
CAL_DATE_R	String	Yes				10	
DEED_ACRES	Double	Yes			0	0	
OS_DEED_BOOK	Long Integer	Yes			0		
OS_DEED_PAGE	Long Integer	Yes			0		
ASSESS_ACRE	Double	Yes			0	0	
ASSESS_MAP	String	Yes				10	
ASSESS_BLK	String	Yes				120	
ASSESS_LOT	String	Yes				10	
ASSESS_SUB	String	Yes				10	
ALT_SITE_NAME	String	Yes				120	
ATT_DATE	Date	Yes			0	0	
BASE_MAP	String	Yes				10	
SOURCE_MAP	String	Yes				50	
SOURCE_TYPE	String	Yes		OS_Alt_Source		10	
COMMENTS	Text	Yes				255	
LOC_ID	String	Yes				15	
DCAM_ID	Long Integer	Yes			0		
FEEYSM	String	Yes				20	
INTSYM	String	Yes				20	
OS_ID	String	No				9	
SHAPE	Geometry						
SHAPE_Length	Double				0	0	
SHAPE_Area	Double				0	0	

All Protected and Recreational Open Space in Massachusetts

Coded value domain OS_Type	
Description	Field type: String
Split policy	Default value
Merge policy	Default value
Code	Description
F	Federal
S	State
C	County
M	Municipal
B	Public Non-Profit
L	Land Trust
G	Conservation Organization
N	Private Non-Profit
P	Private
O	Other
1	State vs. State Dispute
2	State vs. Non-Profit Dispute
3	State vs. Municipality Dispute
4	State vs. Private Dispute

Coded value domain OS_Projects	
Description	Field type: String
Split policy	Default value
Merge policy	Default value
Code	Description
SH	Self Help
USH	Urban Self Help
LWCF	Land and Water Conservation Fund
CPA	Community Preservation Act
SURF	Strategic Urban Recreation Facilities
ALA	Aquatic Land Acquisition
CPG	Conservation Partnership Grant
DWSP	Drinking Water Supply Protection
FLA	Forest Legacy Area
SGTA	Smart Growth Technical Assistance

Coded value domain OS_Public_Access	
Description	Field type: String
Split policy	Default value
Merge policy	Default value
Code	Description
Y	Full Public Access
N	No Public Access
L	Limited Public Access
X	Unknown

Coded value domain OS_Interest_Type	
Description	Field type: String
Split policy	Default value
Merge policy	Default value
Code	Description
CR	Conservation Restriction
APR	Agricultural Preservation Restriction
CAPR	Conservation / Agricultural Preservation Restriction
AGR	Aquatic Protection
HPR	Historic Preservation Restriction
EASE	Easement (Official Restriction Only)
WR	Watershed Restriction
WRP	Wetlands Restriction Program
ROW	Right-of-Way
LH	Lease Holding
DR	Deed Restriction
LIC	License

Coded value domain OS_Art57	
Description	Field type: Short Integer
Split policy	Default value
Merge policy	Default value
Code	Description
0	No
1	Yes
9	Unknown

Coded value domain OS_EOEInv	
Description	Field type: Short Integer
Split policy	Default value
Merge policy	Default value
Code	Description
1	State funds were used in protecting this parcel.
2	EEA / EOE administered (no funds were used).
3	Gifted to EOE / EEA agency.
0	No EEA / EOE involvement.

Coded value domain OS_Level_Protection	
Description	Field type: String
Split policy	Default value
Merge policy	Default value
Code	Description
P	Perpetuity
T	Term Limited
L	Limited
N	None
X	Unknown

Coded value domain OS_Primary_Purpose	
Description	Field type: String
Split policy	Default value
Merge policy	Default value
Code	Description
A	Agriculture
B	Recreation and Conservation
C	Conservation
F	Flood Control
H	Historical/Cultural
O	Other
R	Recreation
S	Scenic (Official Designation Only)
U	Underwater
W	Water Supply
X	Unknown

Coded value domain OS_AltSource	
Description	Field type: String
Split policy	Default value
Merge policy	Default value
Code	Description
NP	Digital Parcels (non-standard)
P1	Digital Parcels - Level I
P2	Digital Parcels - Level II
P3	Digital Parcels - Level III
DD	Deed
SV	Survey
PL	Plan
EOEA	EOEA / EEA Project (see Comments field)
RPA	Regional Planning Agency
OS	USGS Topographic Map
TO	Town
LT	Land Trust
DIG	Digital Data (exact source unknown)
WEB	Website (official sites only)
V	Local volunteer
OS	Other Source (See Comments field)
X	Unknown
O	Other (see Comments field)
GA	Grant Application

Coded value domain Town_ID1	
Description	Field type: Short Integer
Split policy	Default value
Merge policy	Default value
Code	Description
1	Town of Abington
2	Town of Acton
3	Town of Acushnet
4	Town of Adams
:	:
348	City of Worcester
349	Town of Worthington
350	Town of Wrentham
351	Town of Yarmouth

Coded value domain OS_Arc_Code	
Description	Field type: Short Integer
Split policy	Default value
Merge policy	Default value
Code	Description
0	Unknown
1	Town Boundary
2	Road
3	Streambank
4	Lake Shoreline
5	Cossetine
6	Railroad Line
7	Road or Railroad Right-of-Way
8	Utility Right-of-Way
9	Unsure if coincident

Coded value domain OS_Spat_Source	
Description	Spatial source types
Field type	for OpenSpace
Split policy	String
Merge policy	Default value
Code	Description
NP	Digital Parcels (non-standard)
P1	Digital Parcels - Level I
P2	Digital Parcels - Level II
P3	Digital Parcels - Level III
MHD_TWINBD	Legislated Massachusetts Town Boundary
EOT	EOT 9k road centerlines with ROW width
DD	Deed Description
SV	Georeferenced Survey
GSV	Geographic Coordinates from Survey
CS	COGO from Survey
CD	COGO from Deed
GP	GPS Survey (uncorrected)
GP_3_5	GPS Survey (3-5 m differential correction)
GP_1_3	GPS Survey (1-3 m differential correction)
GP_SUBM	GPS Survey (sub-meter differential correction)
RP	Georeferenced Plan
AS	Georeferenced Assessor's Map
DIG	Digital Data (exact source uncertain)
O	1/2 meter MassGIS Orthoimage
GS	USGS Topographic Map
V	Local Volunteer on 25K base
OM	Other Map (see Comments field)
OO	Other Image (see Comments field)
DEP_WET	DEP 1:12K Wetlands
X	Unknown

Simple feature class OS_ARC					Geometry Polyline Contains M values: No Contains Z values: No		
Field name	Data type	Allow nulls	Default value	Domain	Precision	Scale	Length
OBJECTID	Object ID						
SHAPE	Geometry	Yes					
CODE	Short Integer	No	0	OS_Arc_Code	2		
SOURCE_TYPE	Text	No	X	OS_Source		10	
ARC_DATE	Date	Yes	1/1/1901		0	0	
COMMENTS	Text	Yes				10	
DROPLINE	Text	Yes				10	
ARCID	Long Integer	No			7		
Shape_Length	Double	Yes			0	0	

Arcs that bound all OpenSpace

Feature arc is coincident with.
Code for type of source arc is derived from.
Date of last edit to arc geometry.
Any further explanatory comment.
Symbolization code for dropping line within sites.
Unique ID code for DBA use.

Table OSNAMES					Geometry Polyline Contains M values: No Contains Z values: No		
Field name	Data type	Allow nulls	Default value	Domain	Precision	Scale	Length
OBJECTID	Object ID						
AGENCY	Text	Yes				100	
ABBREV	Text	Yes				8	
DEPT	Text	Yes				8	
SFO	Text	Yes		OS_Type		1	

Table listing all abbreviations used in OpenSpace - used for populating attribute editing form.
Full text of entity's name.
Abbreviation for entity.
Internal table reference between MANAGER & FEE_OWNER.
Code specifying the classification of entity.

The MassGIS Protected & Recreational OpenSpace DataLayer is owned and maintained by MassGIS. This schema was developed by MassGIS with the assistance of EOE/EA agency staff. Any questions should be forwarded to Dominique Pahlavan, MassGIS [dominique.pahlavan@state.ma.us] (617)-626-1184.

